

AMENDMENT

Please add the following new dependent claims 28-44:

28. An apparatus according to claim 1 and further comprising a spool about which said substrate is wrapped.
29. An apparatus according to claim 28 wherein said substrate comprises a thread.
30. An apparatus according to claim 1 and further comprising a drum about which said substrate is wrapped.
31. An apparatus according to claim 30 wherein said substrate comprises a thread.
32. An apparatus according to claim 31 wherein a first portion of said substrate sits adjacent a second portion of said substrate on a surface of said drum.
33. An apparatus according to claim 1 wherein the substrate is coiled about an elongated support member.
34. An apparatus according to claim 33 wherein the elongated support member has a diameter of less than about 10 mm.
35. An apparatus according to claim 33 wherein the elongated support member has a diameter between about 10 mm and 150 mm.
36. An apparatus according to claim 28 wherein the probe is selected from the group consisting of polynucleotides, oligonucleotides, proteins, polypeptides, oligosaccharides, antibodies, cell receptors, ligands, lipids, cells, and combinations thereof.
37. An apparatus according to claim 30 wherein the probe is selected from the group consisting of polynucleotides, oligonucleotides, proteins, polypeptides, oligosaccharides, antibodies, cell receptors, ligands, lipids, cells, and combinations thereof.
38. An apparatus according to claim 33 wherein the probe is selected from the group consisting of polynucleotides, oligonucleotides, proteins, polypeptides, oligosaccharides, antibodies, cell receptors, ligands, lipids, cells, and combinations thereof.

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39. An apparatus according to claim 28 wherein the probe can bind to a target selected from the group consisting of polynucleotides, oligonucleotides, proteins, polypeptides, oligosaccharides, antibodies, cell receptors, ligands, lipids, cells, and combinations thereof.

40. An apparatus according to claim 30 wherein the probe can bind to a target selected from the group consisting of polynucleotides, oligonucleotides, proteins, polypeptides, oligosaccharides, antibodies, cell receptors, ligands, lipids, cells, and combinations thereof.

41. An apparatus according to claim 33 wherein the probe can bind to a target selected from the group consisting of polynucleotides, oligonucleotides, proteins, polypeptides, oligosaccharides, antibodies, cell receptors, ligands, lipids, cells, and combinations thereof.

42. An apparatus according to claim 28 wherein the probe carrier comprises a substrate selected from the group consisting of silica, glass, optical fibers, metals, magnetizable metals, plastics, polymers, polyimide, and polytetrafluoroethylene.

43. An apparatus according to claim 30 wherein the probe carrier comprises a substrate selected from the group consisting of silica, glass, optical fibers, metals, magnetizable metals, plastics, polymers, polyimide, and polytetrafluoroethylene.

44. An apparatus according to claim 33 wherein the probe carrier comprises a substrate selected from the group consisting of silica, glass, optical fibers, metals, magnetizable metals, plastics, polymers, polyimide, and polytetrafluoroethylene.